

# Course Competency

## DES 0103 Dental Materials

### Course Description

This course provides a study of the properties, manipulation, and care of materials used in the prevention and treatment of oral disease. It will include the study of physical, mechanical, chemical, and biological characteristics of materials.

Course Competency	Learning Outcomes
<b>Competency 1:</b> The student will demonstrate knowledge of restorative and esthetic dental materials by: 1. Describing the uses, properties and manipulation of dental materials used in restorative, prosthetic, preventative and other dental specialties. 2. Identifying the correct equipment used to manipulate restorative and esthetic dental materials. 3. Discuss the chemical, physical, and biological properties of various dental materials.	1. Critical thinking
<b>Competency 2:</b> The student will demonstrate knowledge of dental liners, bases, and bonding systems: 1. Describing the manipulation of dental cements, bases, liners, and amalgam in relation to restorative dentistry. 2. Differentiation the different types of dental cements. 3. Identifying the correct equipment used to place dental liners, bases, and bonding.	1. Critical thinking
<b>Competency 3::</b> The student will demonstrate knowledge of laboratory material and procedures by: 1. Describing the materials used with taking dental impressions. 2. Explaining the different types of casting material used to make a study cast. 3. Identifying the materials used to fabricate study models, custom impressions tray an athletic mouth guard.	1. Critical thinking

--	--

Updated: FALL TERM 2023